ABSTRACT

A system for adding functionality to a graphical user interface of a non-Java based, or native, application, using the Java programming language is provided. A Java window, or dialog, is configured to be accessible by a native application. While the native application is executed in a first thread, a Java dialog is launched in a second thread. Execution of the native application in the first thread is then continued. The Java dialog next calls the native application and registers itself with the native application. Also, the native code can control the Java dialog like other dialogs supported by the native code. A command for a Java dialog from a native application is routed to an invisible dialog. The invisible dialog passes that command to the Java dialog through a native interface connection. A very seamless integration between the Java and native code thus occurs. The graphical user interface operates and visually appears as if controlled from a single source of code.

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